

FIG. 1A is a perspective view of a shoe sole assembly 10. The sole assembly 10 includes a sole 20 and a sole insert 30. The sole 20 includes a sole layer 22 and a sole layer 24. The sole insert 30 includes a sole insert layer 32 and a sole insert layer 34. The sole insert 30 is positioned between the sole layer 22 and the sole layer 24. The sole insert 30 is positioned between the sole layer 22 and the sole layer 24. The sole insert 30 is positioned between the sole layer 22 and the sole layer 24.

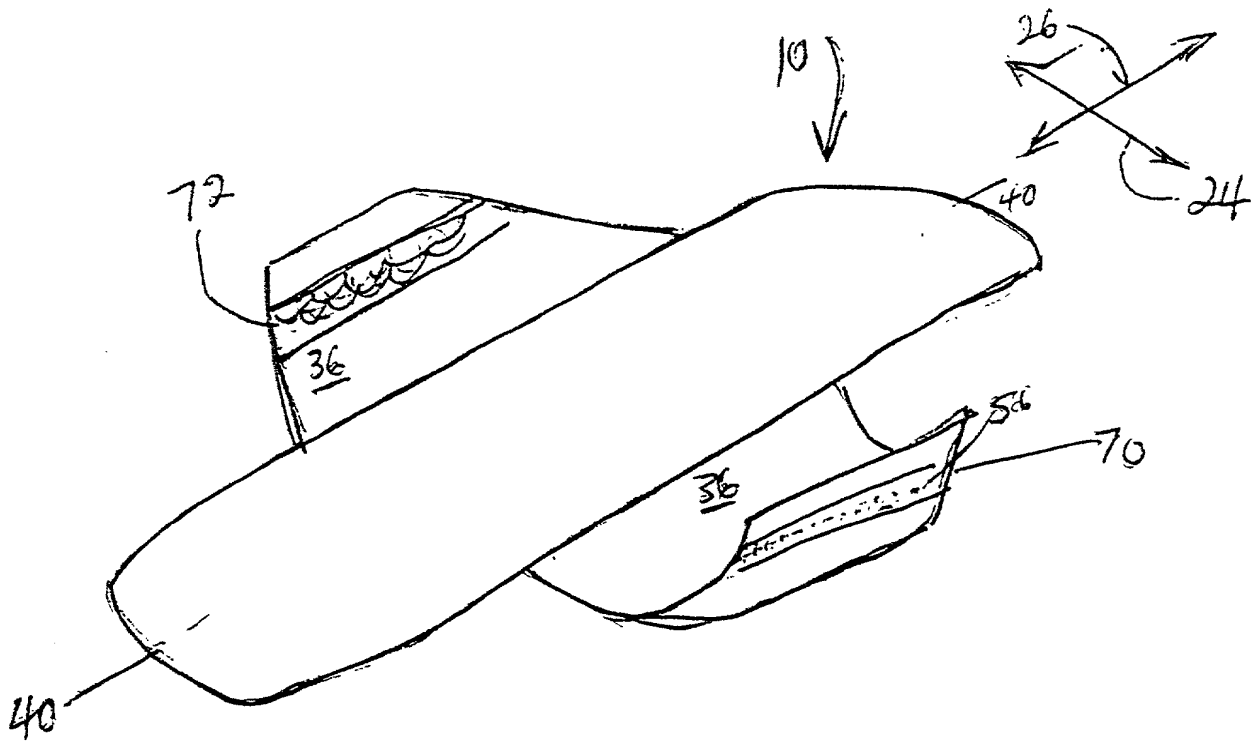
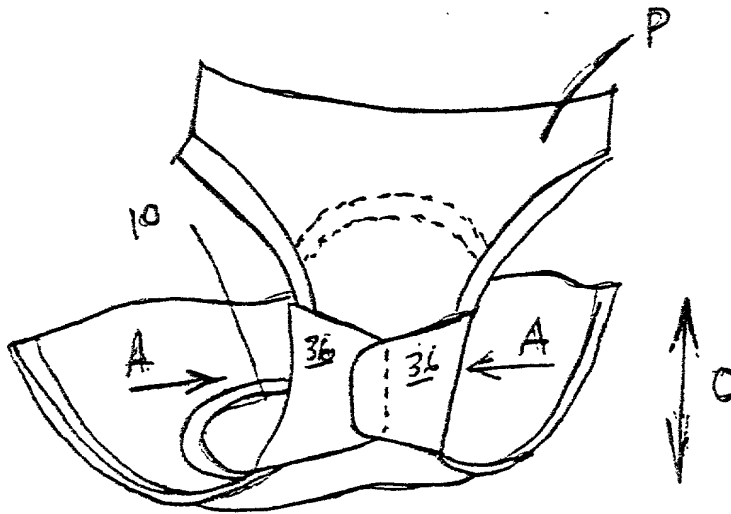
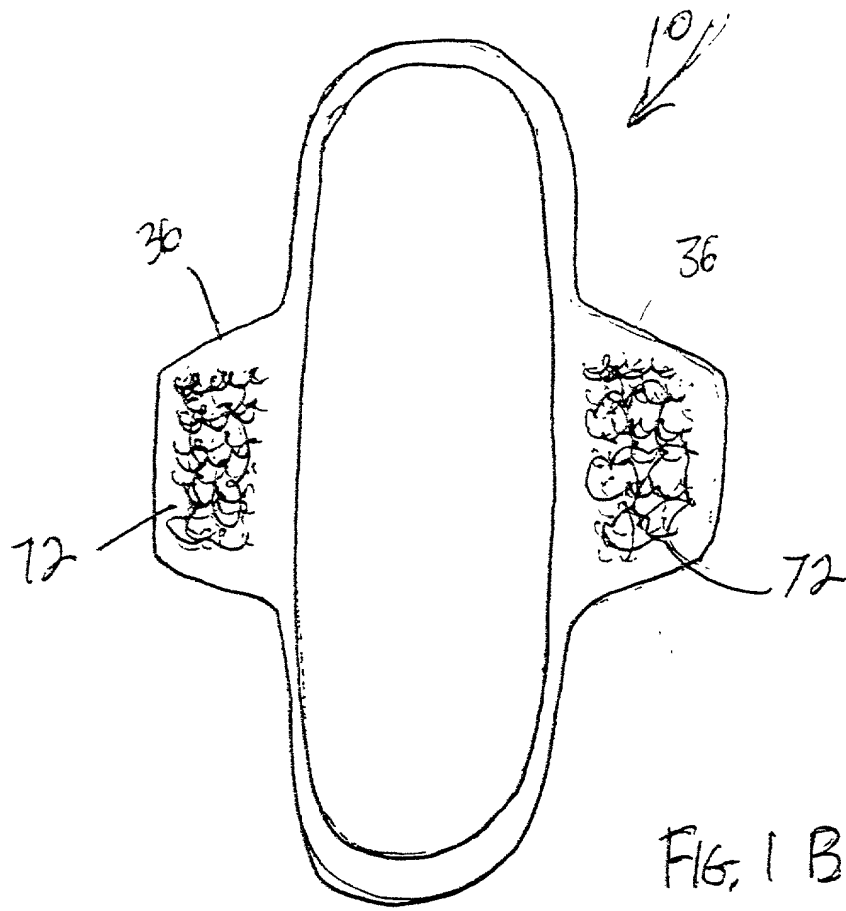


FIG. 1A



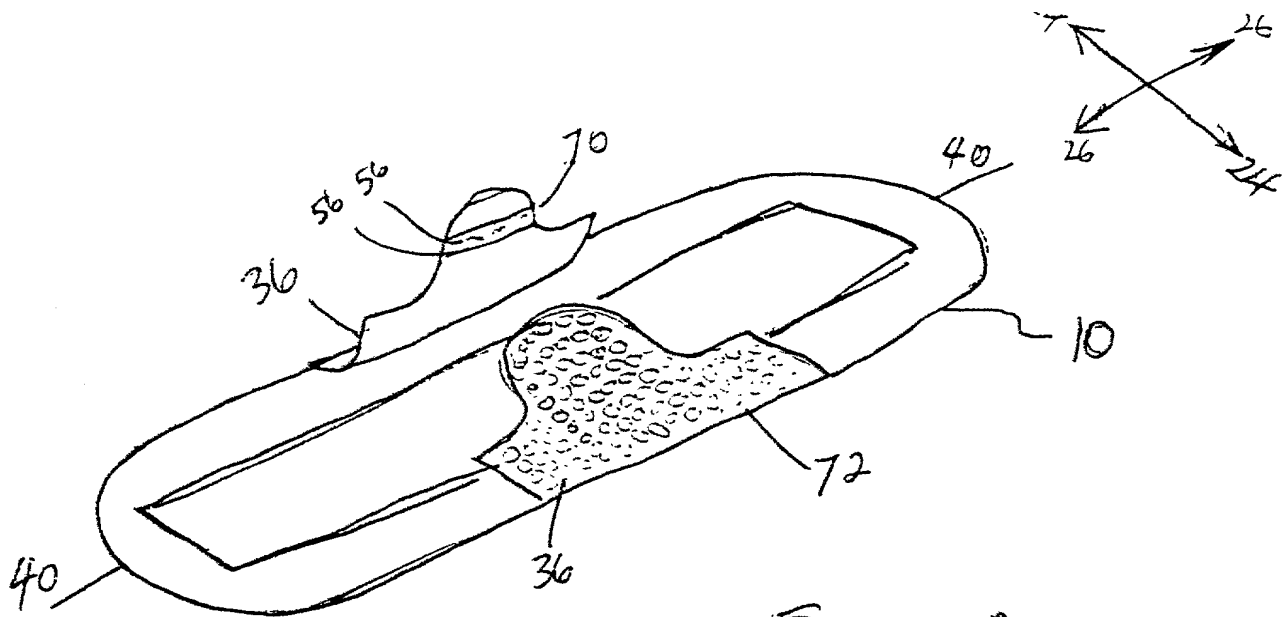


FIG. 1D

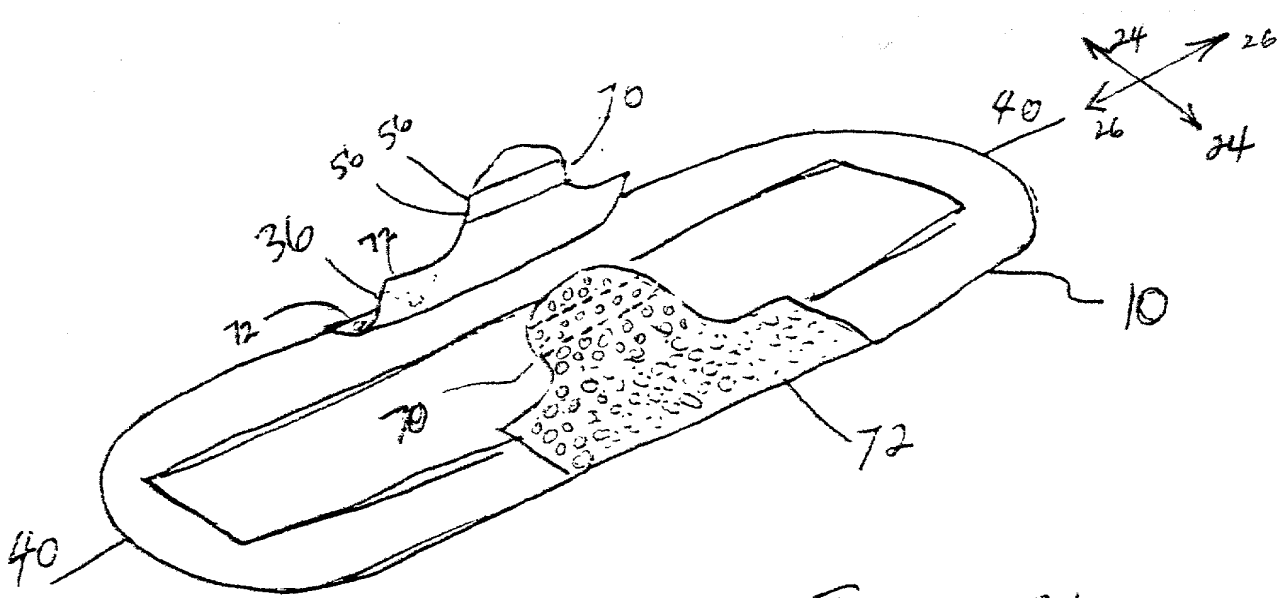


FIG. 1D'

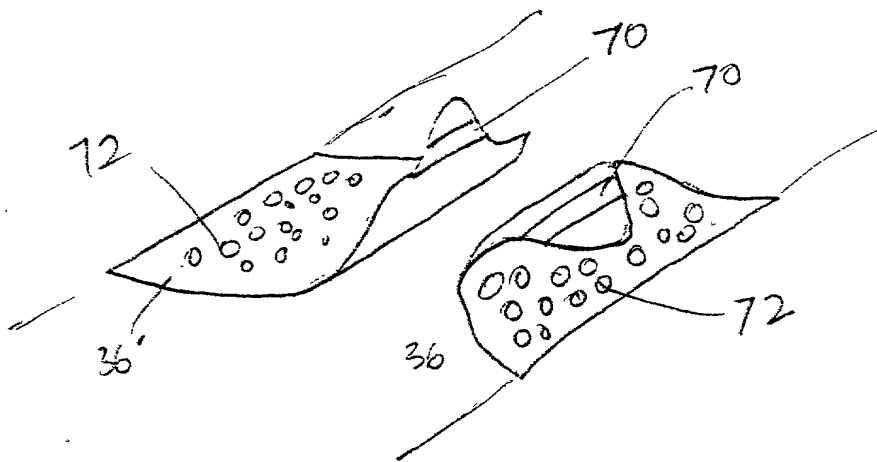


FIG. 1E

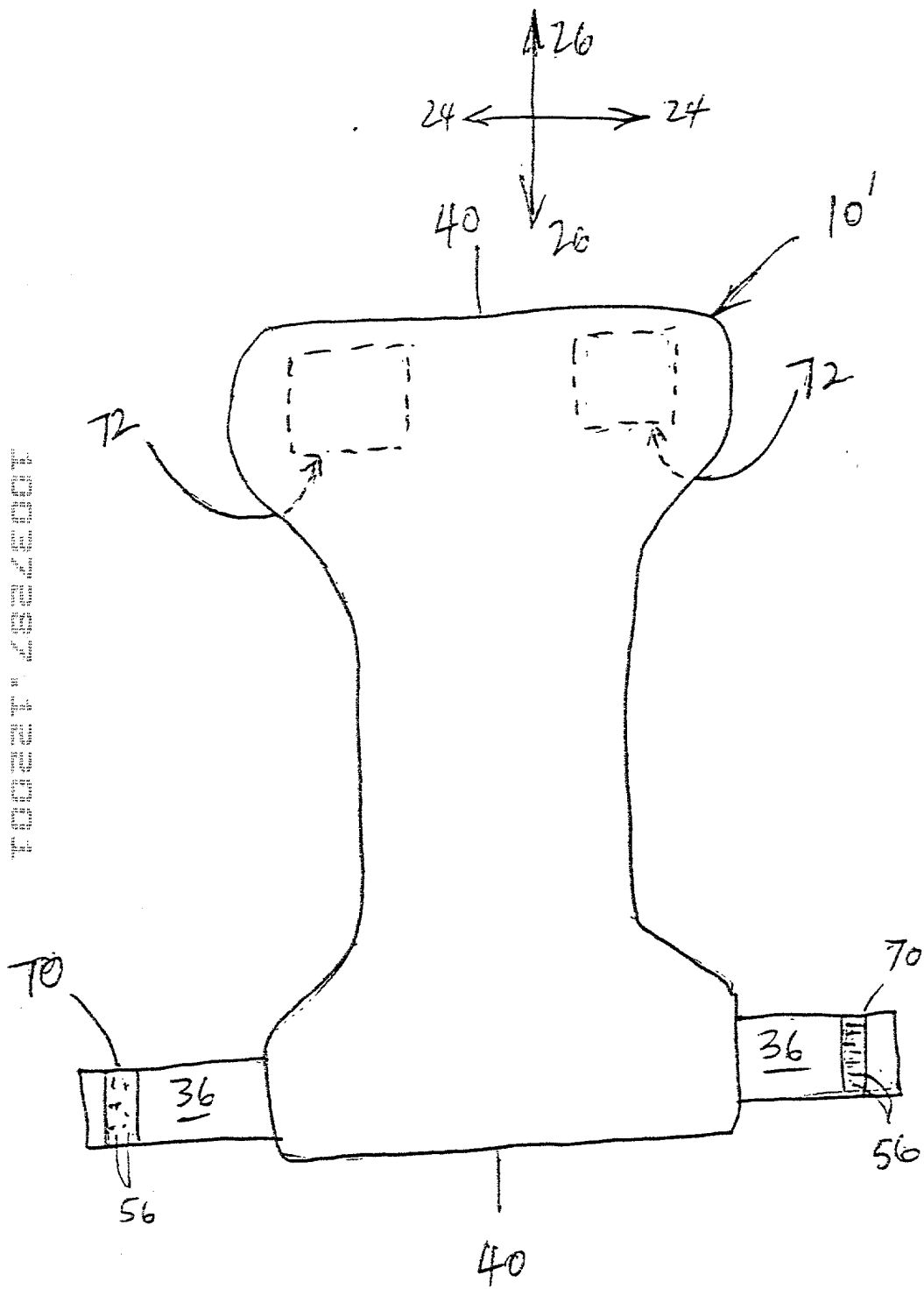


FIG. 2A

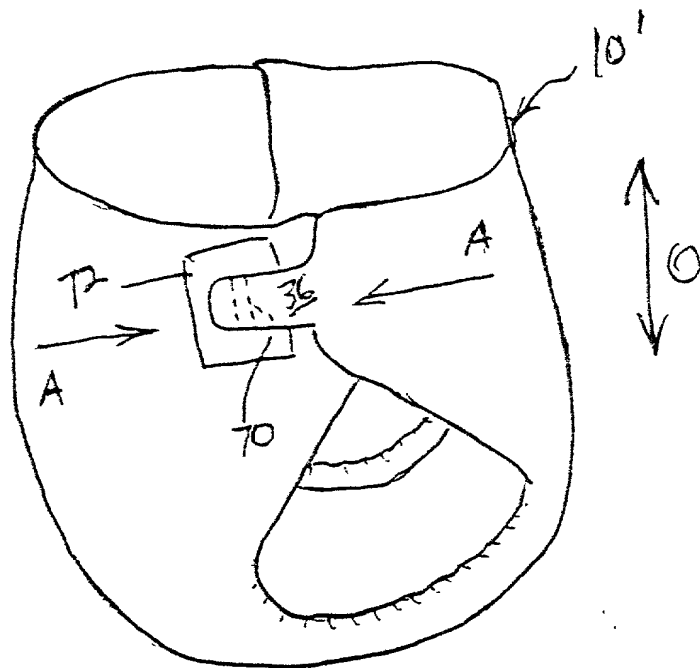


FIG. 2B

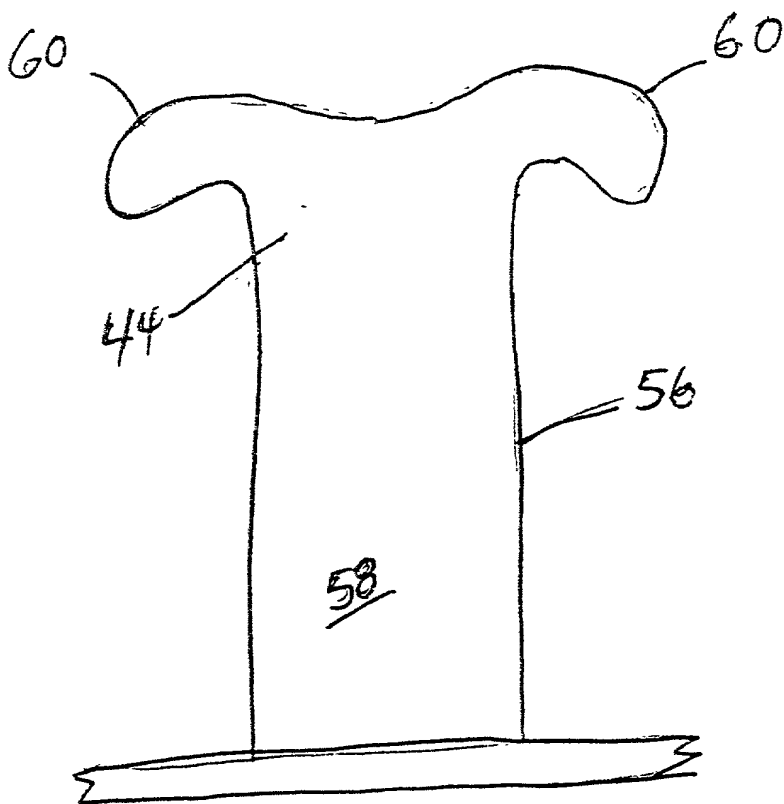


FIG. 3A

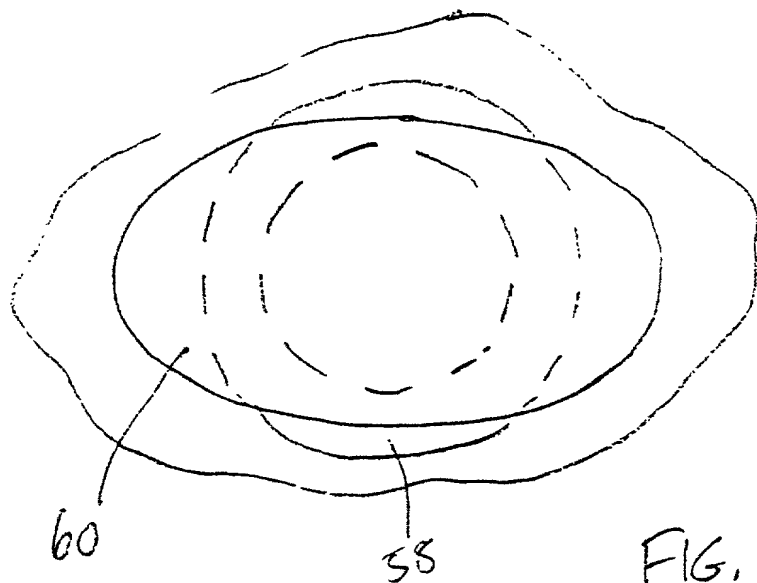


FIG. 3B'

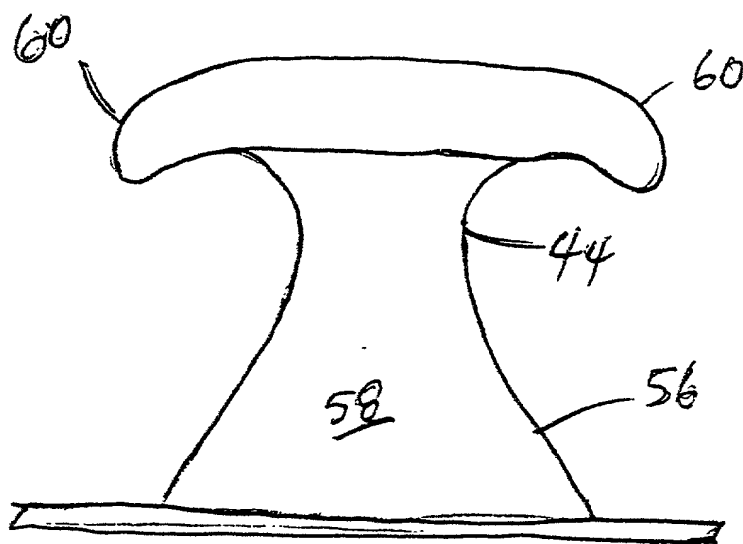


FIG. 3B



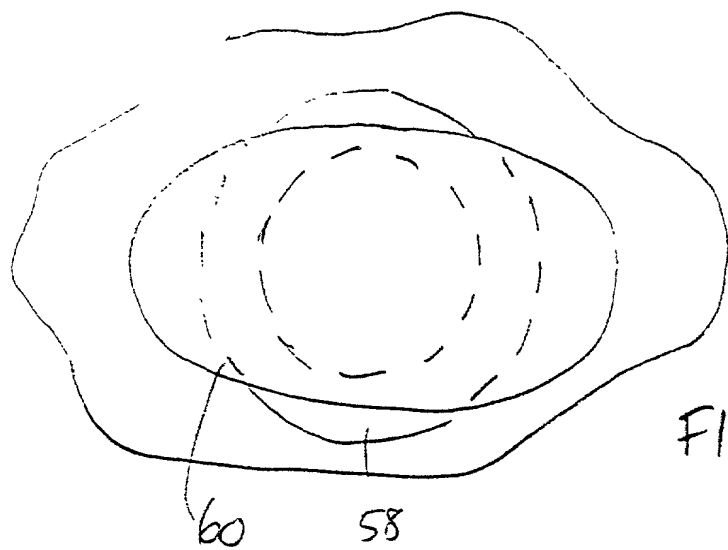


FIG. 3C'

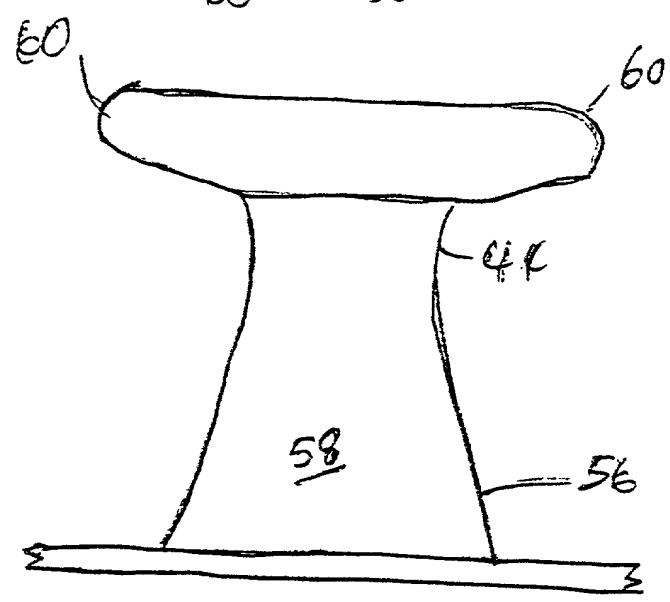


FIG. 3C

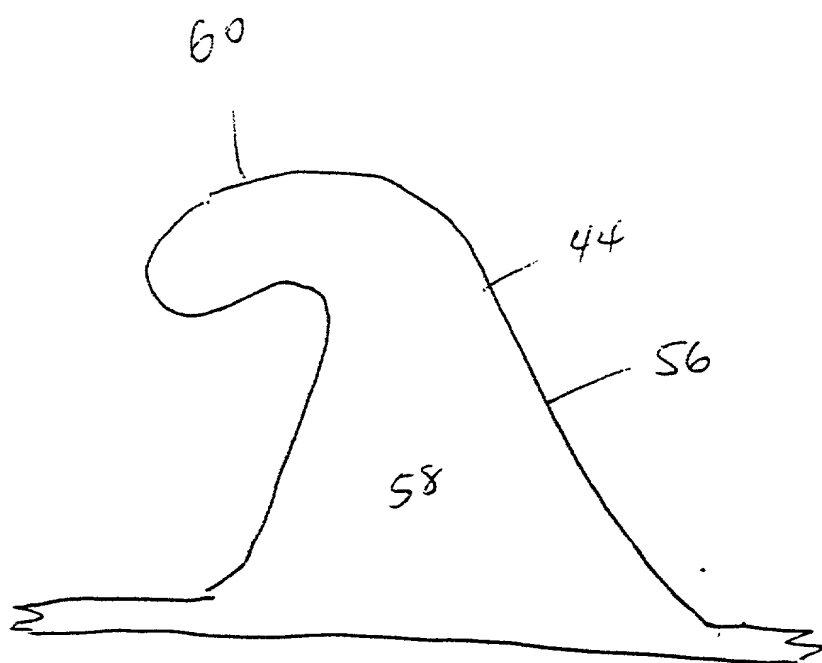


FIG. 3D

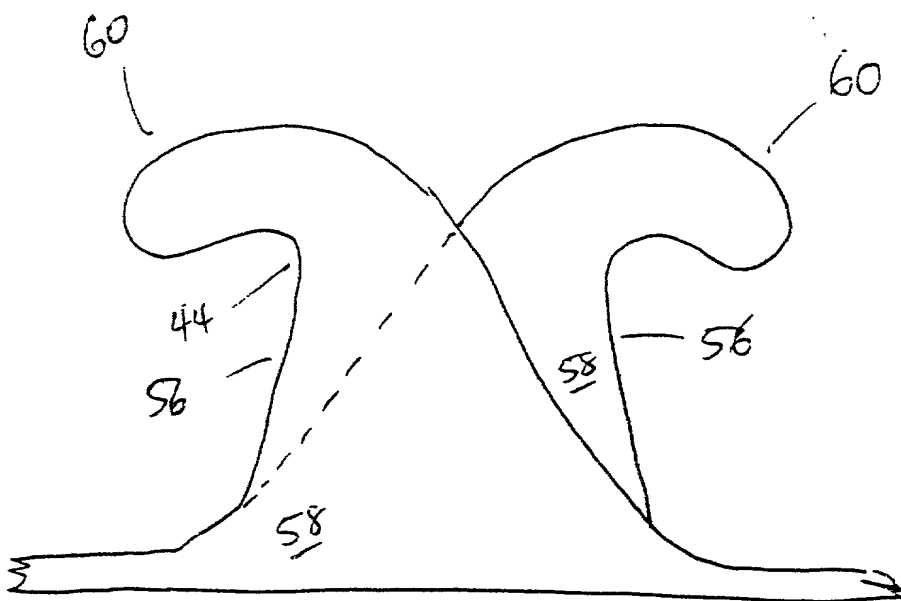


FIG. 3E

# Mechanical Fastening Performance

## Standard Peel Data

### Two Hook Orientations

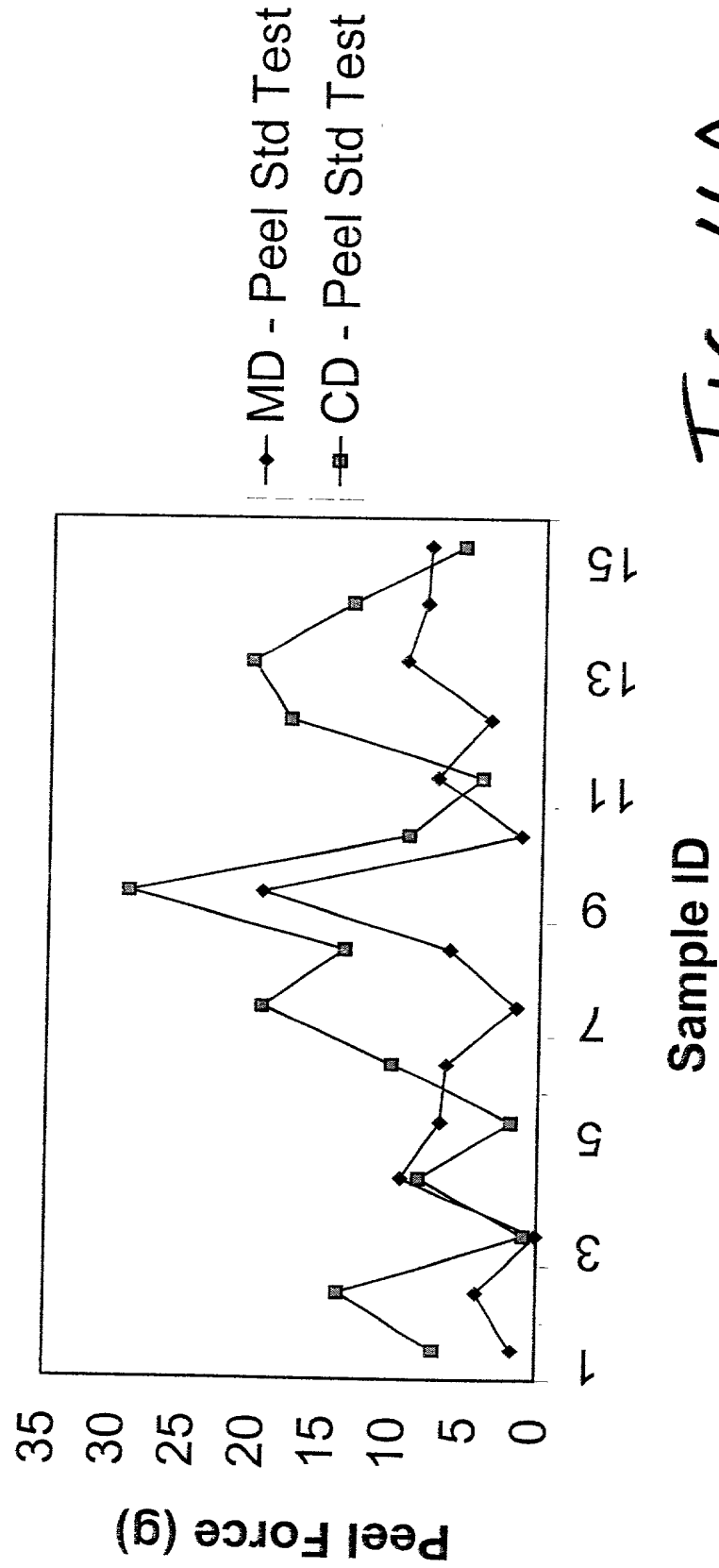


FIG. 4A

# Mechanical Fastening Performance Standard Shear Force Two Hook Orientations

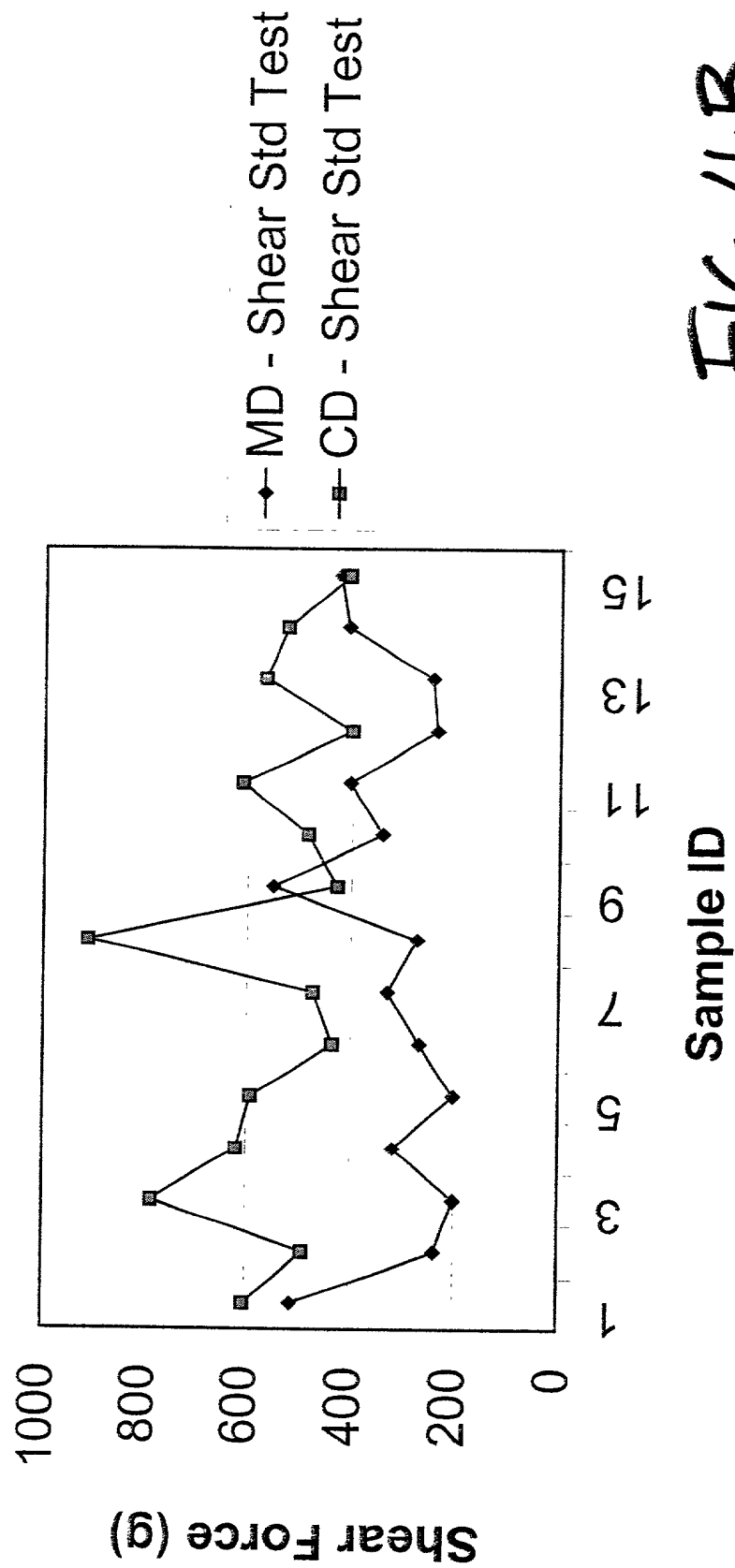


FIG. 4B

# Mechanical Fastening Performance

## Peel Force Post Wear

### Two Hook Orientations

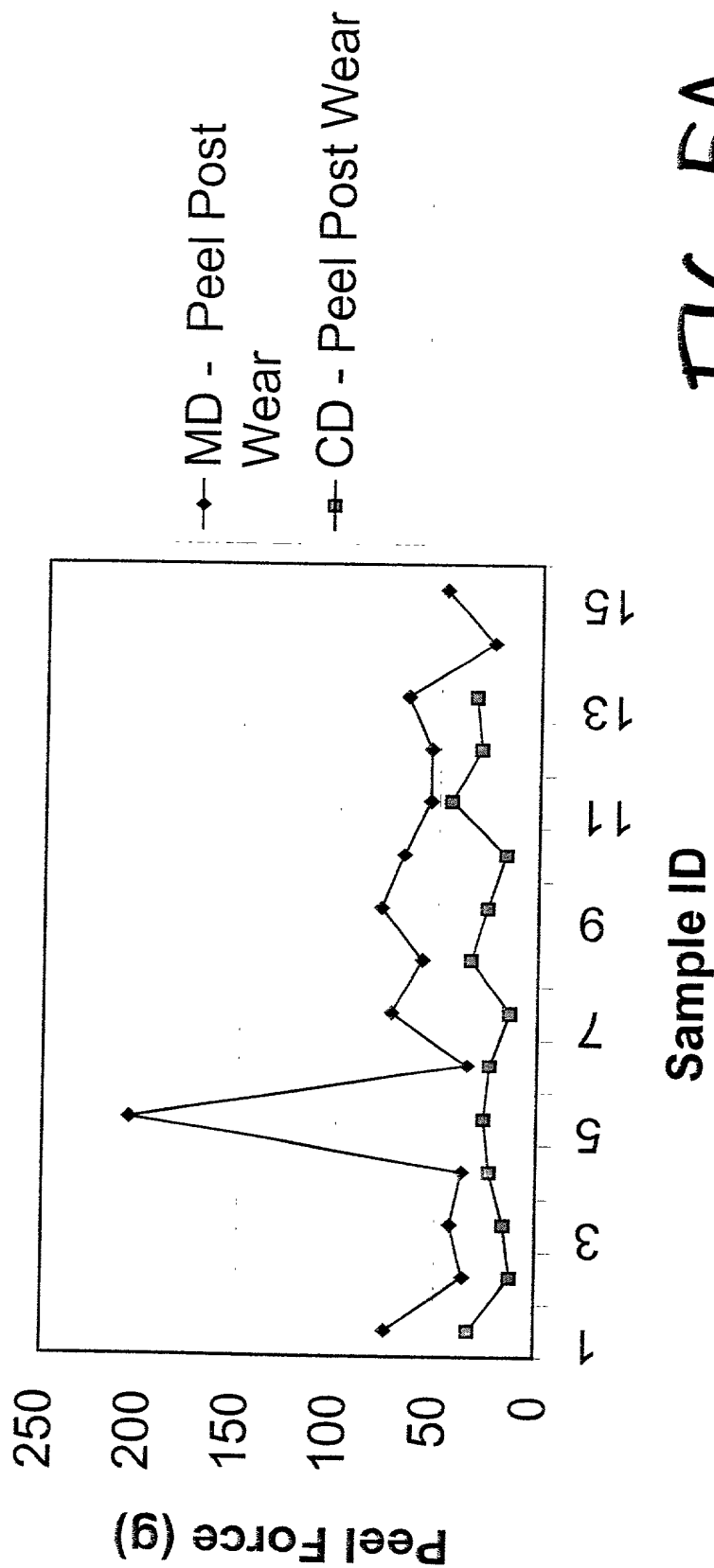
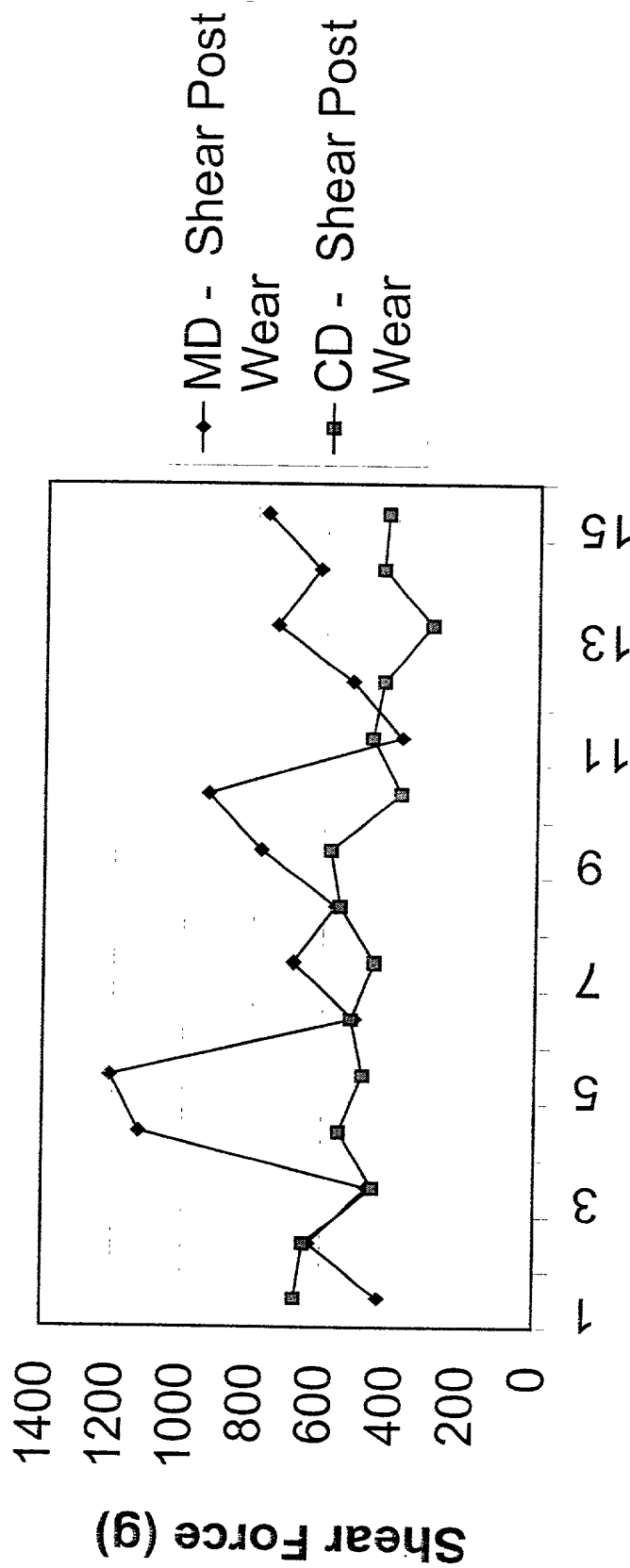


FIG. 5A

# Mechanical Fastening Performance

## Shear Force Post Wear

### Two Hook Orientations



Sample ID

F16.5B

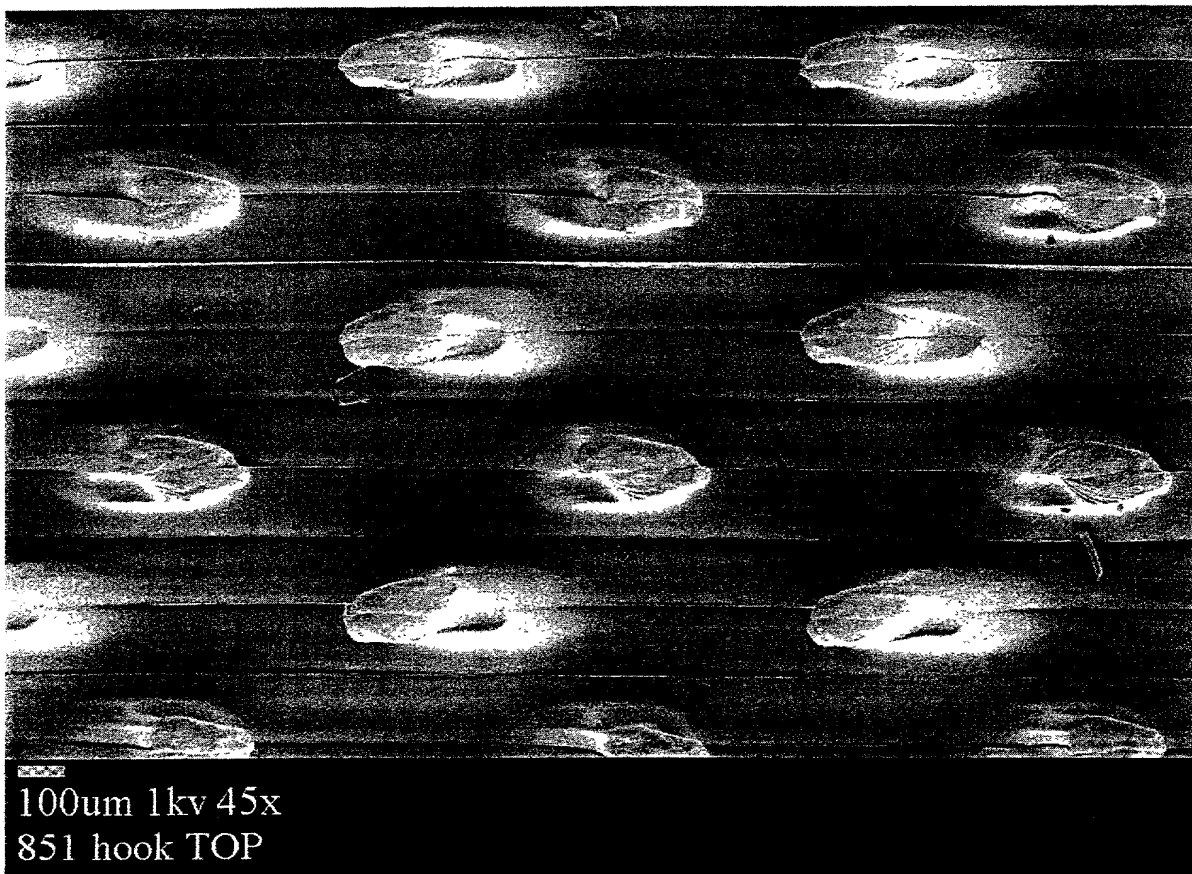
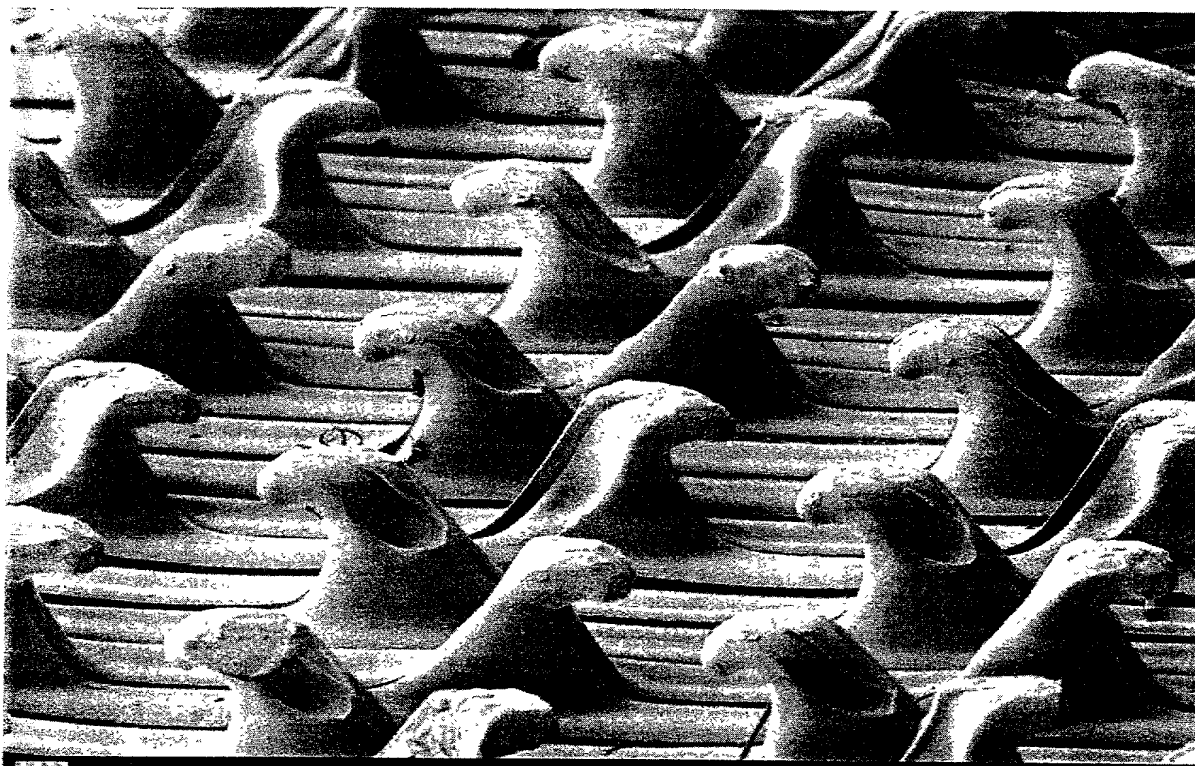


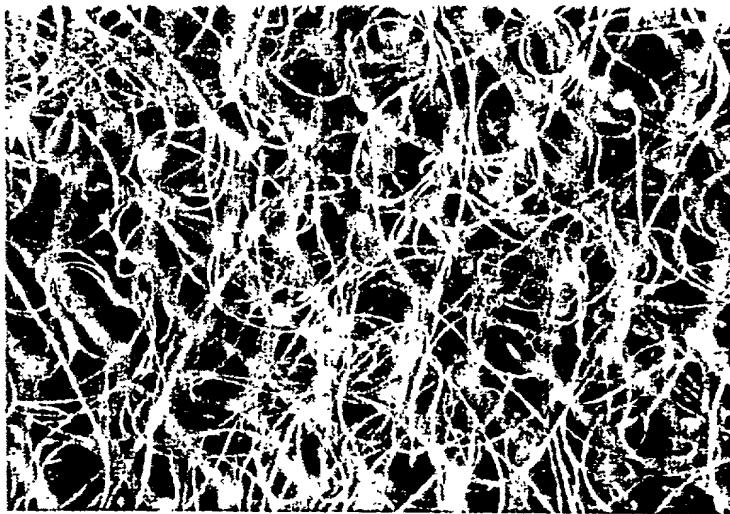
FIG. 6A





100um 1kv 50x  
851 hook obl.

FIG. 6B



Guilford Woven Loop

FIG. 7



Nonwoven PUB Loop Dots

FIG. 8